

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG03/00177

A. CLASSIFICATION OF SUBJECT MATTERInt. Cl. ⁷: E02D 7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPAT : E02D 7/IC and grip+, clamp+, hold+, engag+, driv+, urg+, forc+, pivot+, hydraulic+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2367322 A (WU) 3 April 2002 Page 5 lines 23-31, page 6 lines 7-22, page 7 lines 19-27 and Drawings	1-9, 11-13, 15, 16
X	US 4925345 A (MCCOWN Jr. et al) 15 May 1990 Column 7 line 32 to column 8 line 44 and Drawings	4-9
X	DE 3815748 A1 (ABI - VERTRIEBS-GmbH) 23 November 1989 See drawing	7-10



Further documents are listed in the continuation of Box C



See patent family annex

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

9 September 2003

Date of mailing of the international search report

12 SEP 2003

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 103283 B1 (E.L.S.E. EDILIZIA LAVORI SOTTOSUOLO ESTRAZIONI S.p.A.) 6 July 1988 Figure 1	7, 8
X	GB 2358035 A (ALDRIDGE PILING EQUIPMENT (HIRE) COMPANY LIMITED) 11 July 2001 See whole document	7, 8
X	GB 2161731 A (SERF LIMITED (UNITED KINGDOM)) 22 January 1986 See whole document	7, 8
A	US 5568997 A (RAUNISTO) 29 October 1996	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG03/00177

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member			
GB	2367322	NONE				
US	4925345	NONE				
DE	3815748	NONE				
EP	103283	IT	1190999			
GB	2358035	NONE				
GB	2161731	NONE				
US	5568997	AU	26553/92	EP	648297	FI 941465
		WO	9307341			
END OF ANNEX						